INTERNATIONAL SEARCH REPORT

International Application No PCT/DK2005/000221

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01B9/02 G01N29/24

G02B26/00

G01N29/04

G01N29/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G02B GOIN GOIB IPC 7

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

Category °	ENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 633 384 B1 (DRAKE JR THOMAS E ET AL) 14 October 2003 (2003-10-14) cited in the application column 3, line 4 - line 20	1,6,8,9, 22,24
X	US 5 137 361 A (HEON RENE ET AL) 11 August 1992 (1992-08-11) cited in the application column 1, line 26 - line 36 column 2, line 15 - line 27; figures	1,22
X	US 2003/029243 A1 (DRAKE THOMAS E) 13 February 2003 (2003-02-13) paragraphs '0012!, '0027! - '0035!, '0047!, '0048!; figure 2	1,22
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X Furt	her documents are listed in the continuation of box C.	X Patent family members are listed in annex.
"A" docum consi "E" earlier filing "L" docum which citatic "O" docum other	nent which may throw doubts on priority claim(s) or in its cited to establish the publication date of another on or other special reason (as specified) ment referring to an oral disclosure, use, exhibition or remeans ment published prior to the International filing date but than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family Date of mailing of the international search report
Date of the	e actual completion of the international search	2 3. 08. 05
	28 July 2005	
Name and	d mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nt, Fax: (+31-70) 340-3016	Savage, J

Form PCT/ISA/210 (second sheet) (January 2004)

name 1 of 2

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/DK2005/000221

US 2001/045130 A1 (WOOH SHI-CHANG) 29 November 2001 (2001-11-29) paragraphs '0018!, '0019! SHAN Q ET AL: "A CONJUGATE OPTICAL CONFOCAL FABRY-PEROT INTERFEROMETER FOR ENHANCED ULTRASOUND DETECTION" MEASUREMENT SCIENCE AND TECHNOLOGY, 10P PUBLISHING, BRISTOL, GB, vol. 6, no. 7, 1 July 1995 (1995-07-01), pages 921-928, XP000521537 ISSN: 0957-0233 cited in the application page 925, right-hand column, line 10 - line 15; figure 6 page 927, paragraph 4 DE 40 24 977 A1 (LEONHARDT, KLAUS, PROF. DR., 7257 DITZINGEN, DE) 13 February 1992 (1992-02-13) column 2, line 6 - column 3, line 18; figure 1 EP 0 339 625 A (CANADIAN PATENTS AND DEVELOPMENT LIMITED SOCIETE CANADIENNE DES BREVET) 2 November 1989 (1989-11-02) column 4, line 48 - column 5, line 20; figures column 7, line 47 - column 8, line 20	/Ox =1'=	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
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SHAN Q ET AL: A CONOMERT OF THE CONFOCAL FABRY-PEROT INTERFEROMETER FOR ENHANCED ULTRASOUND DETECTION" MEASUREMENT SCIENCE AND TECHNOLOGY, IOP PUBLISHING, BRISTOL, GB, vol. 6, no. 7, 1 July 1995 (1995-07-01), pages 921-928, XP000521537 ISSN: 0957-0233 cited in the application page 925, right-hand column, line 10 - line 15; figure 6 page 927, paragraph 4 DE 40 24 977 A1 (LEONHARDT, KLAUS, PROF. DR., 7257 DITZINGEN, DE) 13 February 1992 (1992-02-13) column 2, line 6 - column 3, line 18; figure 1 EP 0 339 625 A (CANADIAN PATENTS AND DEVELOPMENT LIMITED SOCIETE CANADIENNE DES BREVET) 2 November 1989 (1989-11-02) column 4, line 48 - column 5, line 20; figures column 7, line 47 - column 8, line 20 US 4 260 271 A (KONDUR, JR. ET AL) 7 April 1981 (1981-04-07) column 3, line 17 - line 35 column 4, line 4 - column 7, line 65;	, ¹ 8	29 November 2001 (2001-11-29)	1,22
DE 40 24 977 A1 (LEUNHARDT, KLAUS, FROT. DR., 7257 DITZINGEN, DE) 13 February 1992 (1992-02-13) column 2, line 6 - column 3, line 18; figure 1 EP 0 339 625 A (CANADIAN PATENTS AND DEVELOPMENT LIMITED SOCIETE CANADIENNE DES BREVET) 2 November 1989 (1989-11-02) column 4, line 48 - column 5, line 20; figures column 7, line 47 - column 8, line 20 US 4 260 271 A (KONDUR, JR. ET AL) 7 April 1981 (1981-04-07) column 3, line 17 - line 35 column 4, line 4 - column 7, line 65;		CONFOCAL FABRY-PEROT INTERFEROMETER FOR ENHANCED ULTRASOUND DETECTION" MEASUREMENT SCIENCE AND TECHNOLOGY, IOP PUBLISHING, BRISTOL, GB, vol. 6, no. 7, 1 July 1995 (1995-07-01), pages 921-928, XP000521537 ISSN: 0957-0233 cited in the application page 925, right-hand column, line 10 - line 15; figure 6	
column 2, line 6 - Column 3, line 13, figure 1 EP 0 339 625 A (CANADIAN PATENTS AND DEVELOPMENT LIMITED SOCIETE CANADIENNE DES BREVET) 2 November 1989 (1989-11-02) column 4, line 48 - column 5, line 20; figures column 7, line 47 - column 8, line 20 US 4 260 271 A (KONDUR, JR. ET AL) 7 April 1981 (1981-04-07) column 3, line 17 - line 35 column 4, line 4 - column 7, line 65;		DR., 7257 DITZINGEN, DE)	30-32
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A US 4 260 271 A (KONDUR, JR. ET AL) 7 April 1981 (1981-04-07) column 3, line 17 - line 35 column 4, line 4 - column 7, line 65;	A	EP 0 339 625 A (CANADIAN PATENTS AND DEVELOPMENT LIMITED SOCIETE CANADIENNE DES BREVET) 2 November 1989 (1989-11-02) column 4, line 48 - column 5, line 20;	
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International application No. PCT/DK2005/000221

INTERNATIONAL SEARCH REPORT

ox II Observations where certa	in claims were found unsearchable (Continuation of item 2 of first sheet)
nis International Search Report has not	t been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject	matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of an extent that no meaningful Ir	the International Application that do not comply with the prescribed requirements to such nternational Search can be carried out, specifically:
Claims Nos.: because they are dependent of	claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unit	y of invention is lacking (Continuation of item 3 of first sheet)
	found multiple inventions in this international application, as follows:
	rch fees were timely paid by the applicant, this International Search Report covers all
	ld be searched without effort justifying an additional fee, this Authority did not invite payment
As only some of the required covers only those claims for	I additional search fees were timely paid by the applicant, this International Search Report which fees were paid, specifically claims Nos.:
4. No required additional searce restricted to the invention fire	ch fees were timely paid by the applicant. Consequently, this International Search Report is set mentioned in the claims; it is covered by claims Nos.:
Remark on Protest	The additional search fees were accompanied by the applicant's protes No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-11,22-29

Method and device for detecting a property of an object in which the output signal is generated as a ratio of a signal derived from the interferometric reflection and transmission signals

2. claims: 12-21,30-32

Method and apparatus for controlling the resonant frequency of an optical interferometer

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/DK2005/000221

Patent document ited in search report		Publication date		Patent family member(s)		Publication date
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